Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/27/2017 10:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124798	-1	1.51	124693	1.50
Blue	F	SSC	125000	123447	-2	2.48	123851	2.23
Blue	E	FITC	22946	22070	-4	2.33	978	9.83
Blue	D	PE	28770	28312	-2	1.95	1014	9.29
Blue	B	PerCP-Cy5-5	51099	50441	-2	3.18	1439	16.23
Blue	A	PE-Cy7	42312	41560	-2	4.82	645	33.79
Red	C	APC	52169	51839	-1	2.79	3001	9.48
Red	A	APC-Cy7	56705	55311	-3	2.81	1142	11.34
Violet	B	V450	14708	13756	-7	4.98	658	9.14
Violet	A	V500	58608	56890	-3	4.85	2516	6.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20118	4.57	600	2	N/A	N/A	Pass
Blue	F	SSC	61509	1.46	530	12	N/A	N/A	Pass
Blue	E	FITC	112	36.63	534	3	0.0227	123	Pass
Blue	D	PE	223	28.07	531	5	0.1865	280	Pass
Blue	B	PerCP-Cy5-5	230	42.60	627	5	0.0111	95	Pass
Blue	A	PE-Cy7	72	110.52	675	4	0.0131	14	Pass
Red	C	APC	350	27.71	594	4	0.0201	68	Pass
Red	A	APC-Cy7	127	41.41	579	3	0.0055	1895	Pass
Violet	B	V450	79	41.70	465	6	0.0544	2192	Pass
Violet	A	V500	183	22.04	495	7	0.0178	725	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.38	-30.87	0.83
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	16.33	13.27 - 19.91	N/A	N/A	31.24	31.59	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9604

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments